

The diagram illustrates a comprehensive audio-visual system architecture. Key components and their connections include:

- Stage Area:** Stage Left/Right Floor Boxes with I/O interfaces for microphones and video signals.
- Control & Processing:** Crestron DM-TX and DM-RX digital media processors, Crestron DRN-AP3 control processor, and Symetrix DSP/Expansion units.
- Audio Distribution:** Shure wireless microphones (UHF and HF) connected to antennas and mixers, and various power amplifiers for different rooms.
- Display & Projection:** Multiple projectors and displays in the Family Room, Dining Room, and Auditoriums, connected to Crestron DM-Mobile Matrix and DM-RX-Scale-C receivers.
- Power & Network:** Ethernet switches, power outlets, and CATV systems for video distribution.
- Room-Specific Equipment:** Various components like the DM-Mobile Matrix, DM-RX-Scale-C, and DM-RX-Scale-C are distributed throughout the facility.

The diagram uses a combination of block diagrams and line drawings to represent the physical layout and signal flow of the system.

	Shure UA844SWB	
	Shure ULXP24/58 (Qty 2)	
	Shure ULXP14 (Qty. 2)	
	Mid Atlantic EB1	
	Symetrix 12x8 DSP	
	Mid Atlantic EB1	
	Symetrix XIN 12 Expansion	
	Mid Atlantic EB3	
	ILD1000S Hearing Loop Driver	
	Tascam CD200i	
	Denon DN-F650R	
	Mid Atlantic EB1	
	Mid Atlantic D2	
	Mid Atlantic D3	
	Mid Atlantic EB1	
	Crestion DM-MD8x8	
	Mid Atlantic EB2	
	Lab Gruppen C28.4	
	Mid Atlantic EB2	
	Lab Gruppen C10.8X	
	Mid Atlantic EB2	

Note: All Conduit, Box Sizes, and Locations to be verified with the Electrical Contractor by Audio Contractor					
Box LA	Box Size	Box Location	Box Purpose	Provided By	Power Requirements
JB1	12"X12"X3"	Inside closet off stage right 36" AFF according to drawing	Equipment Rack Pull Box	Electrical Contractor	See Note #1 below
FB1	Floor Box	Flush Mounted in Stage Floor-Stage Left according to drawing	Mic/Monitor/Podium Connections	Audio Contractor	See Note #2 below
FB2	Floor Box	Flush Mounted in Stage Floor-Stage Right according to drawing	Mic/Monitor Connections	Audio Contractor	See Note #2 below
MLB1	2 Gang	Stage Left at receptacle height according to drawing	Mic/Monitor Connections	Electrical Contractor	See Note #1 below
MLB2	2 Gang	Stage Right at receptacle height according to drawing	Mic/Monitor Connections	Electrical Contractor	See Note #1 below
CP1	Provided by Audio Contractor	Flush Mounted 48" AFF in Stage Right Wall according to drawing	Touch Panel Docking Station	Audio Contractor	
CP2	1 Gang-Horizontally Mounted	Rear Auditorium 48" AFF according to drawing	Touch Panel System Controller	Electrical Contractor	
CP3	1 Gang-Horizontally Mounted	Dining Room 48" AFF according to drawing	Touch Panel System Controller	Electrical Contractor	
CP4	1 Gang-Horizontally Mounted	Family Room 48" AFF according to drawing	Touch Panel System Controller	Electrical Contractor	
LSB1	1 Gang	Stage Left Loudspeaker location in shelf according to drawing	Main Loudspeaker Pullbox	Electrical Contractor	See Note #1 below
LSB2	1 Gang	Stage Right Loudspeaker location in shelf according to drawing	Main Loudspeaker Pullbox	Electrical Contractor	See Note #1 below
LSB3	1 Gang	Stage Left Subwoofer Location 12" AFF according to drawing	Subwoofer Pullbox	Electrical Contractor	
LSB4	1 Gang	Stage Right Subwoofer Location 12" AFF according to drawing	Subwoofer Pullbox	Electrical Contractor	
LSB5	Stub	Rear Auditorium-Stub above drop tile ceiling according to drawing	Ceiling Loudspeaker feed	Electrical Contractor	
LSB6	Stub	Dining Room-Stub above drop tile ceiling according to drawing	Ceiling Loudspeaker feed	Electrical Contractor	
LSB7	Stub	Family Room-Stub above drop tile ceiling according to drawing	Ceiling Loudspeaker feed	Electrical Contractor	
LSB8	Stub	West Lounge-Stub above drop tile ceiling according to drawing	Ceiling Loudspeaker feed	Electrical Contractor	
LSB9	Stub	East Lounge-Stub above drop tile ceiling according to drawing	Ceiling Loudspeaker feed	Electrical Contractor	
AV1	2 Gang	Rear Auditorium-Switch Height according to drawing	AV I/O Panel	Electrical Contractor	
AV2	2 Gang	Rear Auditorium-Recording Height according to drawing	Portable Projector Output	Electrical Contractor	See Note #1 below
AV3	2 Gang	Dining Room-Switch Height according to drawing	AV I/O Panel	Electrical Contractor	
AV4	2 Gang	Dining Room-Above drop tile ceiling according to drawing	Installed Projector Output	Electrical Contractor	See Note #1 below
AV5	2 Gang	Family Room-Switch Height according to drawing	AV I/O Panel	Electrical Contractor	
AV6	2 Gang	Family Room-Receptacle Height according to drawing	Flat Panel Output	Electrical Contractor	See Note #1 below
SC1	1 Gang	Auditorium-Main Projection screen near ceiling according to drawing	Projection Screen	Electrical Contractor	See Note #3 below
SC2	1 Gang	Rear Auditorium-Rear Projection Screen near ceiling according to drawing	Projection Screen	Electrical Contractor	See Note #3 below
PROJ1	2 Gang	Auditorium-Above drop tile ceiling according to drawing	Projector Connections	Electrical Contractor	See Note #1 below
CAM1	1 Gang	Rear Auditorium 108" AFF according to drawing	Camera Connections	Electrical Contractor	
CAM2	1 Gang	Auditorium 108" AFF according to drawing	Camera Connections	Electrical Contractor	
REC1	1 Gang	Auditorium-Flush Mounted in drop tile ceiling according to drawing	Recording Microphone	Electrical Contractor	
REC2	1 Gang	Auditorium-Flush Mounted in drop tile ceiling according to drawing	Recording Microphone	Electrical Contractor	
ANT1	1 Gang	Upstage Left 216" AFF according to drawing	Wireless Microphone Antenna	Electrical Contractor	
ANT2	1 Gang	Upstage Right 216" AFF according to drawing	Wireless Microphone Antenna	Electrical Contractor	

#1 120VAC 20A Dedicated Circuit with Isolated Technical Ground Terminated To Duplex Recepticle Adjacent to JB1, MLB1, MLB2, LSB1, LSB2, AV2, AV4, AV6, SC1, SC2, PROJ1
#2 120VAC 20A Dedicated Circuit with Isolated Technical Ground Terminated To Duplex Recepticle Inside of FB1, FB2
#3 120VAC 20A Dedicated Circuit with Isolated Technical Ground Terminated To Tails at SC1, SC2³

[illegible] Department of
Veterans Affairs